Implementing the Vision 2nd Space Exploration Conference





Robotic Precursor Missions



- Provide early information for human missions
- Resolve the many unknowns at the North and South Poles
- Enable capable and sustainable exploration





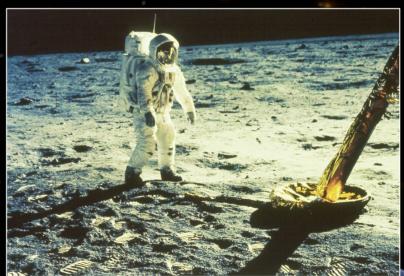
Human Research to Enable Exploration



Program Goals:

- To understand and reduce spaceflight human health and performance risks in support of exploration
- Enable development of human spaceflight medical and human performance standards
- Develop and validate technologies that serve to reduce medical risks





Technology Development Program: Objectives



 The Technology **Development Program** matures advanced technologies, integrates component technologies into prototype systems and transitions technology to **Constellation and Robotic missions**



Desert "RATS" Participants



K-10 ARC





SCOUT JSC





Meteor Crater Arizona, 9/2006



Centaur JSC



Suits JSC



ATHLETE JPL





PRC LaRC



Surface Scenario Video





Scope of the Panel Discussion



Discussion on extending human presence across the solar system and beyond through:

- Implementing a sustained and affordable human and robotic program
- Develop supporting innovative technologies, knowledge, and infrastructures
- Incorporating them into the appropriate Constellation projects.